

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-158665

(43)Date of publication of application : 18.06.1996

(51)Int.Cl.

E04G 23/02

B32B 5/08

B32B 13/12

E01D 21/00

(21)Application number : 06-329591

(71)Applicant : SHO BOND CONSTR CO LTD  
TORAY IND INC

(22)Date of filing : 02.12.1994

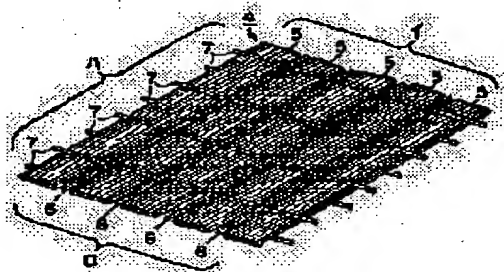
(72)Inventor : NISHIMURA AKIRA  
NOMURA YOSHIYUKI  
EGUCHI KAZUO  
SAITO HIROSHI

## (54) REINFORCING METHOD FOR REINFORCED CONCRETE STRUCTURE

## (57)Abstract:

PURPOSE: To enhance workability by juxtaposing flat reinforced fiber multifilament yarns leaving a prescribed clearance therebetween, and holding them in a sheet shape by means of longitudinal and widthwise auxiliary yarns, and then by sticking them on a concrete surface with resin of a prescribed viscosity.

CONSTITUTION: In a method in which resin is coated on the surface of a floor, beam, or the like consisting of reinforced concrete, and fiber-reinforced plastic plates are laminated and cured at room temperature so as to be reinforced; fiber reinforced materials or flat multifilament yarns consisting of high-strength materials such as glass fibers are juxtaposed leaving a clearance of 0.2 to 1.0 mm, and are held in a sheet shape with longitudinal auxiliary yarns 6 and widthwise auxiliary yarns 7. Room temperature curing type epoxy resin of a viscosity of 40 to 200 poise, and a thixotropic factor of 3.0 to 8.0 is impregnated into this sheet for forming a fiber reinforced material 4, and also epoxy primer is applied to the concrete surface, and thereon the fiber reinforced material 4 is laminatedly stuck and cured. Thus, defoaming roller pressing can be easily carried out.



## LEGAL STATUS

[Date of request for examination]

03.04.1997

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 2944024  
[Date of registration] 25.06.1999  
[Number of appeal against examiner's decision  
of rejection]  
[Date of requesting appeal against examiner's  
decision of rejection]  
[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office